

Material Test Certificate according to EN 10204-2004 : 3.1

Customer :	-	Material :	ASTM A193 GR. B7M ED-2025	TC No. :	S51/26-XX
SWO No. :	-	Date :	-	Bar Shape :	Round Bar
PO No. :	-	Date :	-	Bar Size :	40.0 mm
		RM H.No. :	-	Lot No. :	A14X
				INV. No./Date	-

Chemical Composition Results %

Elements :	C	Mn	P	S	Si	Cr	Ni	Mo	V	Sn	Cu	Al	B	Pb	Ca
Min. :	0.38	0.75	-	-	0.15	0.80	-	0.15	-	-	-	-	-	-	-
Max. :	0.48	1.00	0.035	0.040	0.35	1.10	-	0.25	-	-	-	-	-	-	-
Actual :	0.383	0.786	0.0169	0.0139	0.282	1.04	-	0.167	-	-	-	-	-	-	-

Lab TC No.:	26012XXX	Lab Name :		Result :	Satisfactory
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Heat Treatment Records

Heat Treatment Process	Hardening Temp. °C	Tempering Temp. °C	Solution Annealing Temp. °C
Temp. °C Min. :	85X°C	62X°C	-
Temp. °C Recorded :	-	-	-
Soaking Time :	-	-	-
Quenching Medium :	Oil Quenched	Aircool	-
HT Batch No. :	TF/01/247		

Mechanical Testing Results

Mechanical Properties	Tensile Strength (Mpa)	Yield Strength 0.2 % Offset (Mpa)	% Elongation (GL-50mm)	% Reduction Area	Hardness (HRBW)	Proof Load (Kn)
Specified	Min.	690	550	18	50	-
	Max.	-	-	-	99	-
Actual Results:	757.42	609.93	25.20	66.55	97.5, 97.8, 98.1	-

Impact Test Results	Charpy V Notch Impact Test	AVG Value (J)	Lateral Expansion
Spec Size (mm) 10 X 10 X 55	Specified Value (J)	-	Value 1
Test Temp : -29°C	Achieved Value (J)	-	Value 2
			Value 3
			Avg. Value

Lab TC No.:	26012116	Lab Name :	M/s. BMT LAB LLP	Result :	Satisfactory.
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Item Details

Po Sr.No.	Item Code	Drawing No./Rev. No.	Item Description	Length	Quantity
1	-	-	Stud Bolt M39 -4P, A193 GR. B7M	240mm	20.00NOS

Remarks: -
01) Material is as per specification.
02) Material is as per specification.
03) Material is as per specification.
04) Material is as per specification.
05) Material is as per specification.
06) Material is as per specification.
07) Material is as per specification.
08) Material is as per specification.

We confirm that above mentioned items were manufactured, sampled, tested and inspected in accordance with the subjected Customer's Purchase Order and as applicable Drawings, Material Specifications, Codes & Standards and the results of the items have been determined to meet the users' requirements.

 For Ananka Fasteners Pvt. Ltd.	For Client / TPI
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